

YOR 920030330 US1
Gustavson et al
SCK

Matrix Operation: $C = C - A^T * B$

$j = 0, N-1, NB$
 $i = 0, M-1, MB$
 $l = 0, K-1, KB$

Matrix C
(Entire matrix usually
stored in column major format)

107
MB x NB Submatrix:
 $C(i:i+MB-1, j:j+NB-1)$

Matrix A
(Entire matrix usually
stored in row major format)

105
MB x KB Submatrix:
 $A(l:l+KB-1, i:i+MB-1)$
of block row vector
 $A(0:KB-1, i:i+MB-1)$

Matrix B
(Entire matrix usually
stored in column
major format)

106
KB x NB submatrix:
 $B(l:l+KB-1, j:j+MB-1)$
of block
column vector
 $B(0:K-1, j:j+MB-1)$

FIGURE 1

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200

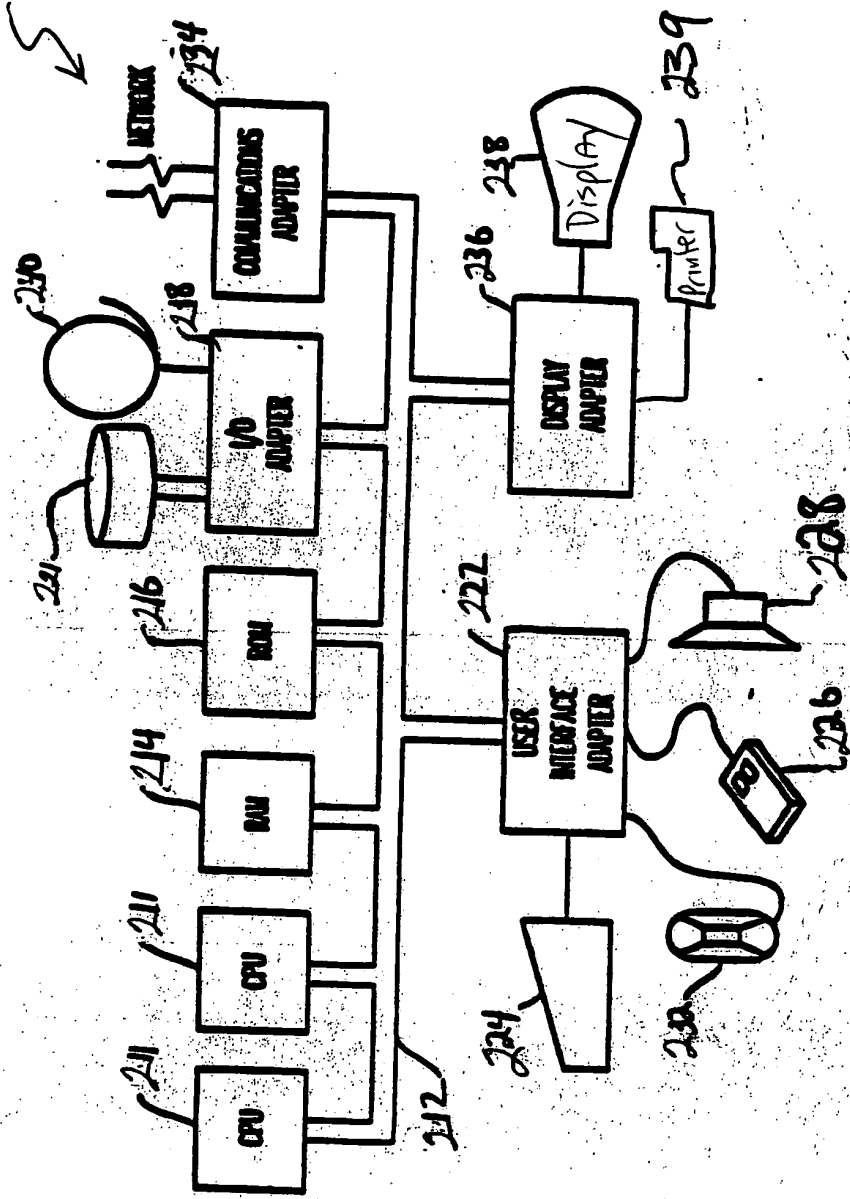


FIGURE 2

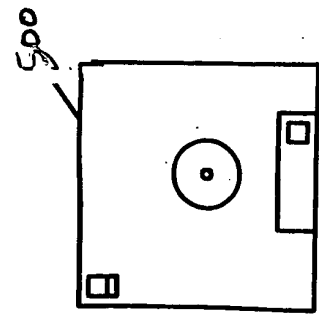


FIGURE 5

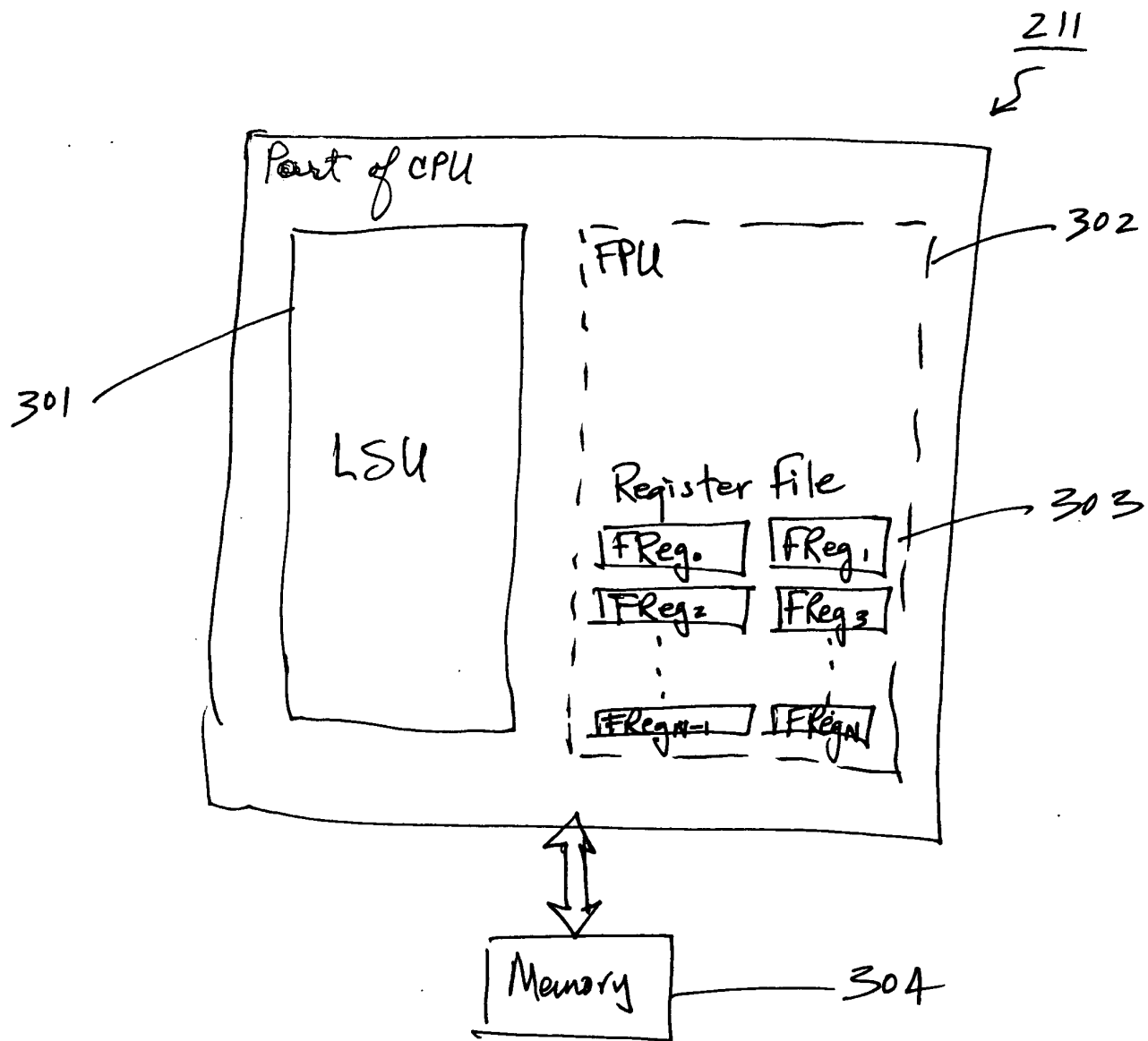


FIGURE 3

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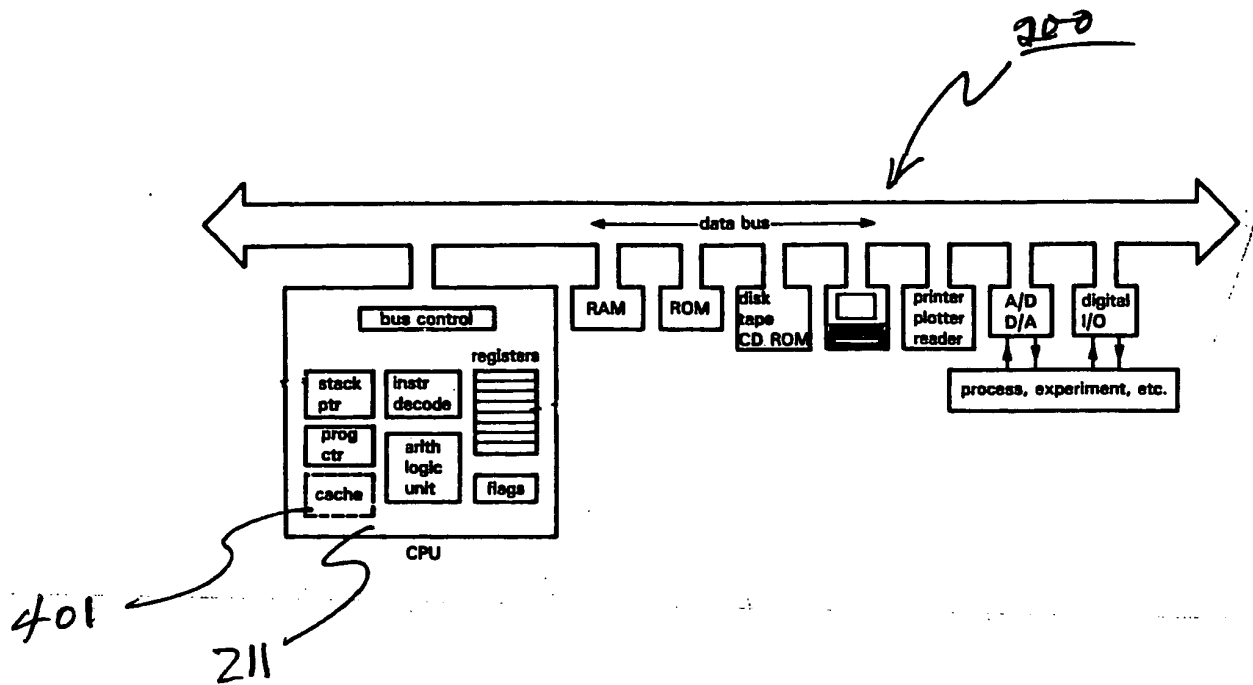


FIGURE 4